

Mohammad Hossein Sheikhi

List of Publications by Year in descending order

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160
papers

3,035
citations

159525

30
h-index

197736

49
g-index

162
all docs

162
docs citations

162
times ranked

3322
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and in vitro bioactivity of sol-gel-derived SiO ₂ -Ca-P ₂ O ₅ -MgO bioglass. <i>Materials Science and Engineering C</i> , 2009, 29, 335-340.	3.8	205
2	High sensitive and selective flexible H ₂ S gas sensors based on Cu nanoparticle decorated SWCNTs. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 1-8.	4.0	114
3	Tunable resonant Goos-Hänchen and Imbert-Fedorov shifts in total reflection of terahertz beams from graphene plasmonic metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1097.	0.9	111
4	Prediction of solidification cracking in pulsed laser welding of 2024 aluminum alloy. <i>Acta Materialia</i> , 2015, 82, 491-502.	3.8	107
5	Fabrication of capacitive sensor based on Cu-BTC (MOF-199) nanoporous film for detection of ethanol and methanol vapors. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 9-16.	4.0	107
6	The relation between liquation and solidification cracks in pulsed laser welding of 2024 aluminium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 519, 167-171.	2.6	105
7	Methane gas sensing properties of Pd-doped SnO ₂ /reduced graphene oxide synthesized by a facile hydrothermal route. <i>Materials Research Bulletin</i> , 2017, 89, 161-169.	2.7	103
8	Highly sensitive wireless H ₂ S gas sensors at room temperature based on CuO-SWCNT hybrid nanomaterials. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 474-483.	4.0	86
9	Surface acoustic wave based H ₂ S gas sensors incorporating sensitive layers of single wall carbon nanotubes decorated with Cu nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 134-141.	4.0	85
10	Design of a tunable graphene plasmonic-on-white graphene switch at infrared range. <i>Superlattices and Microstructures</i> , 2017, 112, 404-414.	1.4	85
11	Hydrothermally synthesized Pd-loaded SnO ₂ /partially reduced graphene oxide nanocomposite for effective detection of carbon monoxide at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 457-467.	4.0	66
12	Design of a High Extinction Ratio Tunable Graphene on White Graphene Polarizer. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 153-156.	1.3	66
13	Analytical modeling of highly tunable giant lateral shift in total reflection of light beams from a graphene containing structure. <i>Optics Communications</i> , 2017, 391, 68-76.	1.0	60
14	Tunable graphene plasmonic Y-branch switch in the terahertz region using hexagonal boron nitride with electric and magnetic biasing. <i>Applied Optics</i> , 2017, 56, 8931.	0.9	51
15	Effect of Ag on the ZnO nanoparticles properties as an ethanol vapor sensor. <i>Materials Science in Semiconductor Processing</i> , 2020, 117, 105172.	1.9	50
16	Simulation of carbon nanotube FETs with linear doping profile near the source and drain contacts. <i>Solid-State Electronics</i> , 2008, 52, 980-985.	0.8	47
17	Three-Dimensional Analysis of an Ultrashort Optical Cross-Bar Switch Based on a Graphene Plasmonic Coupler. <i>Journal of Lightwave Technology</i> , 2017, 35, 2211-2217.	2.7	43
18	High Efficiency MAPb ₃ Perovskite Solar Cell Using a Pure Thin Film of Polyoxometalate as Scaffold Layer. <i>ChemSusChem</i> , 2017, 10, 3773-3779.	3.6	40

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19	Effect of silver additive on electrical conductivity and methane sensitivity of SnO ₂ . <i>Materials Science in Semiconductor Processing</i> , 2015, 35, 38-44.	1.9	39
20	Highly Sensitive, Room Temperature Methane Gas Sensor Based on Lead Sulfide Colloidal Nanocrystals. <i>IEEE Sensors Journal</i> , 2016, 16, 4174-4179.	2.4	39
21	Ceramic monolith as microfiltration membrane: Preparation, characterization and performance evaluation. <i>Applied Clay Science</i> , 2018, 161, 456-463.	2.6	38
22	Hydrogen sulfide gas sensor based on decorated zigzag graphene nanoribbon with copper. <i>Sensors and Actuators B: Chemical</i> , 2015, 219, 338-345.	4.0	37
23	Fully integrated wearable humidity sensor based on hydrothermally synthesized partially reduced graphene oxide. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 448-456.	2.0	36
24	Low concentration ethanol sensor based on graphene/ZnO nanowires. <i>Ceramics International</i> , 2021, 47, 5311-5317.	2.3	34
25	Characterisation of solidification cracking in pulsed Nd:YAG laser welding of 2024 aluminium alloy. <i>Science and Technology of Welding and Joining</i> , 2009, 14, 161-165.	1.5	33
26	Solidification crack initiation and propagation in pulsed laser welding of wrought heat treatable aluminium alloy. <i>Science and Technology of Welding and Joining</i> , 2014, 19, 250-255.	1.5	33
27	High-performance ZnO nanowires-based glucose biosensor modified by graphene nanoplates. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105116.	1.9	33
28	Investigation of the quantum dot infrared photodetectors dark current. <i>Optics and Laser Technology</i> , 2011, 43, 1020-1025.	2.2	32
29	TEMPERATURE DEPENDENCE OF ELECTRICAL RESISTANCE OF INDIVIDUAL CARBON NANOTUBES AND CARBON NANOTUBES NETWORK. <i>Modern Physics Letters B</i> , 2012, 26, 1250136.	1.0	31
30	Design and analysis of low loss plasmonic waveguide and directional coupler based on pattern-free suspended graphene sheets. <i>Carbon</i> , 2018, 129, 653-660.	5.4	31
31	Influence of Channel and Underlap Engineering on the High-Frequency and Switching Performance of CNTFETs. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 526-533.	1.1	30
32	High-detectivity near-infrared photodetector based on Ag ₂ S nanocrystals. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156948.	2.8	30
33	A novel room temperature ethanol sensor based on PbS:SnS ₂ nanocomposite with enhanced ethanol sensing properties. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152666.	2.8	29
34	Effect of single wall carbon nanotube additive on electrical conductivity and methane sensitivity of SnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 461-468.	4.0	28
35	A low cost and reliable fiber optic ethanol sensor based on nano-sized SnO ₂ . <i>Optical Fiber Technology</i> , 2015, 24, 93-99.	1.4	28
36	Low temperature carbon monoxide gas sensor based on Ag-Co ₃ O ₄ thick film nanocomposite. <i>Materials Letters</i> , 2018, 233, 74-77.	1.3	28

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37	Influence of PbS nanoparticle polymer coating on their aggregation behavior and toxicity to the green algae <i>Dunaliella salina</i> . <i>Aquatic Toxicology</i> , 2014, 154, 176-183.	1.9	27
38	Assessment of a Thermally Modified Cellulose Acetate Forward Osmosis Membrane Using Response Surface Methodology. <i>Chemical Engineering and Technology</i> , 2018, 41, 1706-1715.	0.9	27
39	A Review of Nanostructured Resistive-Based Vanadium Oxide Gas Sensors. <i>Chemosensors</i> , 2020, 8, 105.	1.8	27
40	High saturation magnetization, low coercivity and fine YIG nanoparticles prepared by modifying co-precipitation method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 355-360.	1.0	26
41	Enhancement of Methane Gas Sensing Characteristics of Lead Sulfide Colloidal Nanocrystals by Silver Nanoparticles Decoration. <i>IEEE Sensors Journal</i> , 2017, 17, 3375-3380.	2.4	24
42	Effect of Gold Nanoparticles Incorporation on Electrical Conductivity and Methane Gas Sensing Characteristics of Lead Sulfide Colloidal Nanocrystals. <i>IEEE Sensors Journal</i> , 2018, 18, 1940-1945.	2.4	24
43	High performance polarization-independent Quantum Dot Semiconductor Optical Amplifier with 22 dB fiber to fiber gain using Mode Propagation Tuning without additional polarization controller. <i>Optics and Laser Technology</i> , 2017, 93, 127-132.	2.2	23
44	Electronic properties of a dual-gated GNR-FET under uniaxial tensile strain. <i>Microelectronics Reliability</i> , 2012, 52, 2579-2584.	0.9	21
45	First-principles study of H ₂ adsorption on the pristine and oxidized (8,0) carbon nanotube. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13680-13686.	3.8	21
46	Influence of Pd/Pd ₂ decoration on the structural, electronic and sensing properties of monolayer graphene in the presence of methane molecule: A dispersion-corrected DFT study. <i>Surface Science</i> , 2017, 662, 93-101.	0.8	21
47	Room temperature and highly sensitive acetone sensor based on lead sulfide nanosheets. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 267, 115082.	1.7	21
48	Dark Current Modeling and Noise Analysis in Quantum Dot Infrared Photodetectors. <i>IEEE Sensors Journal</i> , 2015, 15, 5504-5509.	2.4	20
49	High-Performance Room Temperature Methane Gas Sensor Based on Lead Sulfide/Reduced Graphene Oxide Nanocomposite. <i>IEEE Sensors Journal</i> , 2020, 20, 2526-2532.	2.4	19
50	A novel high-performance methane sensor based on Ti-Decorated 2D \hat{I}^3 -graphyne: A dispersion-corrected DFT insight. <i>Materials Chemistry and Physics</i> , 2021, 257, 123808.	2.0	19
51	A numerical approach for analyzing quantum dot infrared photodetectors' parameters. <i>Optics and Laser Technology</i> , 2012, 44, 572-577.	2.2	18
52	Flexible phototransistors based on graphene nanoribbon decorated with MoS ₂ nanoparticles. <i>Sensors and Actuators A: Physical</i> , 2015, 232, 285-291.	2.0	18
53	Pilot plant fluidized bed reactor for degradation of basic blue 3 in heterogeneous fenton process in the presence of natural magnetite. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1039-1048.	1.3	18
54	Double-layer graphene optical modulators based on Fano resonance in all-dielectric metasurfaces. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	18

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55	Modeling Electronic Properties of Multiwall Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 66-77.	1.0	17
56	Magnesium Loss in Nd:YAG Pulsed Laser Welding of Aluminum Alloys. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 2896-2905.	1.0	17
57	High-performance infrared photo-transistor based on SWCNT decorated with PbS nanoparticles. Sensors and Actuators A: Physical, 2014, 220, 213-220.	2.0	16
58	Optical properties of chiral graphene nanoribbons: a first principle study. Optical and Quantum Electronics, 2015, 47, 3289-3300.	1.5	14
59	Experimental investigation of oil-in-water microfiltration assisted by Dielectrophoresis: Operational condition optimization. Chemical Engineering Research and Design, 2018, 137, 421-433.	2.7	14
60	DNA-templated gold nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 142-145.	1.3	13
61	A Pin-Hole Free Architecture for Vertical Infrared Photodetectors Based on Thin-Film Organic/Inorganic Hybrid Nanocomposite. IEEE Sensors Journal, 2016, 16, 1634-1640.	2.4	13
62	Highly Sensitive and Fast-Response Volatile Organic Compounds Sensors Based on Star-Shaped BaTiO ₃ /ZnO Heterostructures. IEEE Sensors Journal, 2021, 21, 4225-4232.	2.4	13
63	Design of a novel periodic asymmetric intra-step-barrier coupled double strained quantum well electroabsorption modulator at 1.55 μ m. Solid-State Electronics, 2008, 52, 312-322.	0.8	12
64	Fundamental Physical Aspects of Carbon Nanotube Transistors. , 2010, , .		12
65	Effect of severe plastic deformation on hot cracking of wrought aluminium alloy in pulsed laser welding. Science and Technology of Welding and Joining, 2013, 18, 473-477.	1.5	12
66	Transport properties of zigzag graphene nanoribbon decorated with copper clusters. Journal of Applied Physics, 2014, 116, 093701.	1.1	12
67	Plasmonic Enhancement of Colloidal Quantum Dot Infrared Photodetector Photosensitivity. IEEE Journal of Quantum Electronics, 2018, 54, 1-7.	1.0	12
68	Response of Colloidal Quantum Dot Infrared Photodetectors to Modulated Optical Signals. IEEE Sensors Journal, 2015, 15, 3274-3280.	2.4	11
69	All-Optical Cross-Bar Switch Based on a Low-Loss Suspended Graphene Plasmonic Coupler. Plasmonics, 2019, 14, 447-456.	1.8	11
70	Enhancement of room temperature ethanol sensing behavior of PbS@SnS ₂ nanocomposite by Au decoration. Materials Science in Semiconductor Processing, 2021, 127, 105742.	1.9	11
71	Effect of strain on the performance of MOSFET-like and p ⁺ -i-n carbon nanotube FETs. Solid-State Electronics, 2009, 53, 497-503.	0.8	10
72	Preparation and investigation on properties of lysozyme chemically bonded to single-walled carbon nanotubes. Journal of Experimental Nanoscience, 2010, 5, 536-547.	1.3	10

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73	High-performance electro-optical switch using an anisotropic graphene-based one-dimensional photonic crystal. <i>Optics Express</i> , 2022, 30, 9269.	1.7	10
74	Improvement of Plasmonic CuS Nanocrystals'™ Optoelectronic Properties via Cation Exchange for Infrared Detection Enhancement. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2203-2216.	2.0	10
75	Structural and electronic properties of zigzag graphene nanoribbon decorated with copper cluster. <i>Journal of Computational Electronics</i> , 2015, 14, 270-279.	1.3	9
76	Tapered grating effects on static properties of a bistable QWS-DFB semiconductor laser amplifier. <i>Solid-State Electronics</i> , 2008, 52, 156-163.	0.8	8
77	Electrochemical hydrogen storage of Pt and Ni nanoparticles-electrodeposited multi-walled carbon nanotube/micro-hybrid composite. <i>Journal of Electroanalytical Chemistry</i> , 2013, 689, 297-302.	1.9	8
78	Compact Formulas for the Electrical Resistance of Semiconducting and Metallic Single Wall Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 899-905.	1.0	8
79	A dispersion-corrected DFT insight into the structural, electronic and CH ₄ adsorption properties of small tin-oxide clusters. <i>Journal of Alloys and Compounds</i> , 2018, 757, 382-392.	2.8	8
80	Split-step fourier transform method in modeling of pulse propagation in dispersive nonlinear optical fibers. , 0, , .		7
81	Switching Behavior of Bistable DFB Semiconductor Laser Amplifiers. <i>Fiber and Integrated Optics</i> , 2009, 28, 275-287.	1.7	7
82	Local ĩfâ€™ĩe mixing in C60 buckminsterfullerene. <i>Computational and Theoretical Chemistry</i> , 2009, 901, 153-156.	1.5	7
83	Optical Excitations of Finite Length Graphene Nanoribbons. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 90-96.	0.4	7
84	Improving Ion/Ioff in dual-gate graphene nanoribbon field-effect transistors using local uniaxial tensile strain. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 143-148.	1.3	7
85	Highâ€™frequency transmission through metallic singleâ€™walled carbon nanotube interconnects. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2009, 22, 369-378.	1.2	6
86	Fabrication of ozone gas sensor based on FeOOH/single walled carbon nanotube-modified field effect transistor. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 946-958.	1.8	6
87	Detection ofinvA gene ofSalmonellaby DNA-gold nanoparticles biosensor and its comparison with PCR. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 223-239.	1.3	6
88	Thermal Equivalent Circuit Model for Coupled-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2015, 51, 1-8.	1.0	6
89	Spectral response, dark current, and noise analyses in resonant tunneling quantum dot infrared photodetectors. <i>Applied Optics</i> , 2016, 55, 8494.	2.1	6
90	Room temperature methane sensor based on single wall CNTs/SnO ₂ nanoparticles. <i>Micro and Nano Letters</i> , 2019, 14, 815-818.	0.6	6

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91	Highly Efficient AlGaIn/GaN/InGaIn Multi-quantum Well Ultraviolet Light-Emitting Diode. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 69-76.	1.5	6
92	Specific H ₂ S Gas Sensor Based on Metal Nanoparticles, Sulfur and Nitrogen/Single-Walled Carbon Nanotube-Modified Field Effect Transistor. Journal of Nanoengineering and Nanomanufacturing, 2011, 1, 228-236.	0.3	6
93	Multi-Walled Carbon Nanotubes/Polyacrylonitrile Composite as Novel Semi-Permeable Filter for Water Treatment Process. Science of Advanced Materials, 2012, 4, 1085-1095.	0.1	6
94	Unipolar Schottky-Ohmic carbon nanotube field effect transistor. , 2008, , .		5
95	Design, modeling and optimization of a piezoelectric pressure sensor based on thin-film PZT diaphragm contain of nanocrystalline powders. , 2009, , .		5
96	DESIGN DEPENDENT CUTOFF FREQUENCY OF NANOTRANSISTORS NEAR THE ULTIMATE PERFORMANCE LIMIT. International Journal of Modern Physics B, 2012, 26, 1250196.	1.0	5
97	Optical Absorption of Graphene Nanoribbon in Transverse and Modulated Longitudinal Electric Field. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 183-197.	1.0	5
98	A Highly Efficient Thin Film CuInGaSe ₂ Solar Cell. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.1	5
99	Intraband Absorption Coefficient in Organic-Inorganic Hybrid Nanocomposite "A Pathway to Room-Temperature, Mid- and Long-Wavelength Infrared Detection. IEEE Sensors Journal, 2016, 16, 2389-2396.	2.4	5
100	Numerical analysis for static and dynamic characteristics of an optical amplifier-switch integrated device. Scripta Materialia, 2001, 44, 1207-1212.	2.6	4
101	Physical model for the transient response of a voltage-tunable optoelectronic integrated functional device. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 961-966.	0.8	4
102	Schottky Barrier Field Effect Transistors with a Strained Carbon Nanotube Channel. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1571-1579.	0.4	4
103	Steady state analysis of optical bistability in distributed coupling coefficient DFB semiconductor laser amplifiers. Solid-State Electronics, 2009, 53, 79-85.	0.8	3
104	A new approach for modeling of dark current characteristics of quantum wire infrared photodetectors. Optoelectronics Letters, 2011, 7, 260-262.	0.4	3
105	Cutoff Frequency and Switching Delay of Underlap Carbon Nanotube FETs. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 681-694.	1.0	3
106	Enhancement of nano-/microtextured crystalline silicon solar cells efficiency using hydrogen plasma surface treatment. Optik, 2015, 126, 5762-5766.	1.4	3
107	Fabrication of a Humidity Sensor Based on Chemical Vapor Deposition-Synthesized Single-Walled Carbon Nanotubes. Science of Advanced Materials, 2013, 5, 557-565.	0.1	3
108	Probabilistic Placement of Wind Turbines in Distribution Networks. Electrica, 2018, 18, 234-241.	0.7	3

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109	Numerical analysis for the characteristics of a QW-structure optoelectronic integrated device. , 0, , .		2
110	Negative refraction and focusing analysis in a left-handed material slab and realization with a 3D photonic crystal structure. Journal of Optics, 2006, 8, 199-204.	1.5	2
111	Assessment of Damping Mechanisms Effect on High Frequency Transmission Behavior of Metallic Single Walled Carbon Nanotubes. , 2007, , .		2
112	DNA Nano-Gears. Molecular Simulation, 2007, 33, 1071-1081.	0.9	2
113	Implementation of Split Step Method to Consider Gradual Changes of the Electric Field for Circuit Simulation of an Avalanche Photodetector. , 2008, , .		2
114	Electrochemical hydrogen evolution of multi-walled carbon nanotube/micro-hybrid composite decorated with Ni nanoparticles as catalyst through electroless deposition process. Materials Science and Engineering C, 2013, 33, 3173-3179.	3.8	2
115	Effects of single-walled carbon nanotube defects and alignment angles on percolation conductivity in carbon nanotubes thin film. , 2013, , .		2
116	A novel equivalent circuit model for waveguide-separated absorption charge multiplication-avalanche photodetector (WG-SACM-APD). Optik, 2013, 124, 6154-6158.	1.4	2
117	Selective Methane Sensors Based on Tungsten Carbides/Tin Oxide and Tungsten/Tin Oxide Coreâ€™Shells Modified on Interdigitated Electrodes. Materials Focus, 2013, 2, 487-492.	0.4	2
118	Ethanol Sensing Properties of Tin Oxide Doped Using Silver Nanoparticles. Advanced Materials Research, 2013, 829, 600-604.	0.3	2
119	A high performance all-optical set-reset flip-flop based on SOA-MZI. Optoelectronics Letters, 2014, 10, 430-433.	0.4	2
120	A NEW STRUCTURE FOR ALL-OPTICAL THREE-INPUT XOR LOGIC GATE BASED ON SEMICONDUCTOR OPTICAL AMPLIFIER MACHâ€™ZEHNDER INTERFEROMETER. International Journal of Modern Physics B, 2014, 28, 1450052.	1.0	2
121	Frequency noise analysis of 1.55 Åµm indium arsenide/indium phosphide quantum dot lasers: impact of nonâ€™linear gain and direct carrier transition. IET Optoelectronics, 2016, 10, 134-141.	1.8	2
122	Single Walled Carbon Nanotube-Polyacrylonitrile Ceramic Fiber as Novel Electrode for Amperometric Detection of CO. Journal of Nanoengineering and Nanomanufacturing, 2012, 2, 402-409.	0.3	2
123	Efficient binary and QAM optical modulation in ultra-compact MZI structures utilizing indium-tin-oxide. Scientific Reports, 2022, 12, 8129.	1.6	2
124	Analysis of the optical gain and rise time of a QW-structure optoelectronic integrated device. , 0, , .		1
125	Numerical analysis for the static and dynamic responses of an HPT/QW-LD optoelectronic integrated device. , 0, , .		1
126	A new computer model for electroabsorption in multiple quantum-well optical modulator. , 0, , .		1

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127	Finite element analysis and reduce order modeling of tunable vertical cavity laser diode. , 0, , .		1
128	Analysis of Injection-Locking Bistable Laser Diode with Frequency Chirping. , 0, , .		1
129	Distributed Coupling Coefficient DFB SOA-Based Optical Switch. , 2007, , .		1
130	OPTIMIZATION OF PROCESSING TEMPERATURE TO ACHIEVE HIGH QUALITY SOL-GEL-DERIVED PZT THIN FILM. International Journal of Nanoscience, 2009, 08, 299-303.	0.4	1
131	Double-wall carbon nanotube interconnects: experimental measurements, physical and circuit modelling. International Journal of Nanomanufacturing, 2010, 5, 278.	0.3	1
132	Improvements of twin-core fiber optical tweezers' performance. , 2010, , .		1
133	Specific CH ₄ gas sensor based on tungsten carbide/SnO ₂ /core-shell modified interdigitated electrode. , 2013, , .		1
134	Micro/nanotexture crystalline silicon solar cells for space applications. , 2014, , .		1
135	Ultrashort terahertz cross-bar switch based on a graphene plasmonic directional coupler. , 2016, , .		1
136	Methane gas detection at room temperature using Pd doped SnO ₂ /reduced graphene oxide nanocomposite. , 2016, , .		1
137	Effect of optical pumping to the wetting layer and excited state on the gain dynamics of QD-VCSOA: An equivalent circuit approach. , 2017, , .		1
138	Synthesis and preparation of ZnO NWs for glucose biosensing. , 2017, , .		1
139	Circuit model simulation for separate absorption, grading and multiplication avalanche photodiodes (SAGM-APD) considering gradual changes of the electric field in active region. , 2007, , .		1
140	A physical model for characteristics of PIN/QW-LD optoelectronic integrated device. , 0, , .		0
141	A new theoretical design optimization of multiple quantum-well electroabsorption modulator. , 0, , .		0
142	SPICE model for microwave properties of traveling-wave electroabsorption modulators. , 2004, , .		0
143	Modeling of a Multilayer Wavelength Division Multiplexing Structure using Total-Field/Scattered-Field FDTD-PML Formulation. , 0, , .		0
144	Non-physical model of lossy transmission line for circuit simulation of segmented traveling wave electroabsorption modulators. , 2006, , .		0

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145	Optical Bistability Behavior in a Distributed Coupling Coefficient Nonuniform DFB Semiconductor Laser Amplifier. , 2007, , .		0
146	Non-Uniform Grating Effects on Time-Dependent Bistable Characteristics of QWS-DFB Semiconductor Laser Amplifiers. , 2007, , .		0
147	Numerical Analysis of a MEMS-Actuated Photonic Crystal Switch. , 2007, , .		0
148	Effect of Soft Dead Space on the Mean Gain of Avalanche Photodiodes in Submicron Ranges. , 2007, , .		0
149	Optical bistability and switching performance in QWS distributed coupling coefficient DFB SLA’s. , 2008, , .		0
150	Non-uniform Grating Effects On Dynamic Characteristics of Bistable DFB Semiconductor Laser Amplifiers. , 2008, , .		0
151	Investigating the Statistics of the Random Gain in Avalanche Photodiodes Using a Soft Dead Space Model. , 2008, , .		0
152	<title>Circuit model for segmented traveling-wave electroabsorption modulators</title>. Proceedings of SPIE, 2008, , .	0.8	0
153	Noise analysis of coaxial Schottky barrier carbon nanotube fets using non equilibrium Green’s function formalism. Open Physics, 2009, 7, .	0.8	0
154	The Numerical Modeling for Electrical Behavior of Graphene Nanoribbon in the Present of Optical Detection. , 2009, , .		0
155	Carbon Nanotube FET with Asymmetrical Contacts. Lecture Notes in Electrical Engineering, 2009, , 291-296.	0.3	0
156	A New Physical Model for Waveguide-Separated Absorption Charge Multiplication-Avalanche Photodetector. , 2011, , .		0
157	A numerical method for analysis of waveguide-separated absorption charge multiplication-avalanche photodetector(WG-SACM-APD). , 2011, , .		0
158	Comparative investigation of the formation of polytetrafluoroethylene nanoparticles on different solid substrates through the adsorption of tetrafluoroethylene. Journal of Applied Polymer Science, 2011, 121, 2369-2377.	1.3	0
159	The Effect of Oxygen Molecule Adsorption on Structural and Electrical Properties of (8, 0) Carbon Nanotube: A Density Functional Study. Key Engineering Materials, 2013, 543, 447-450.	0.4	0
160	Electronic structure in hybrid nanocomposit. , 2015, , .		0